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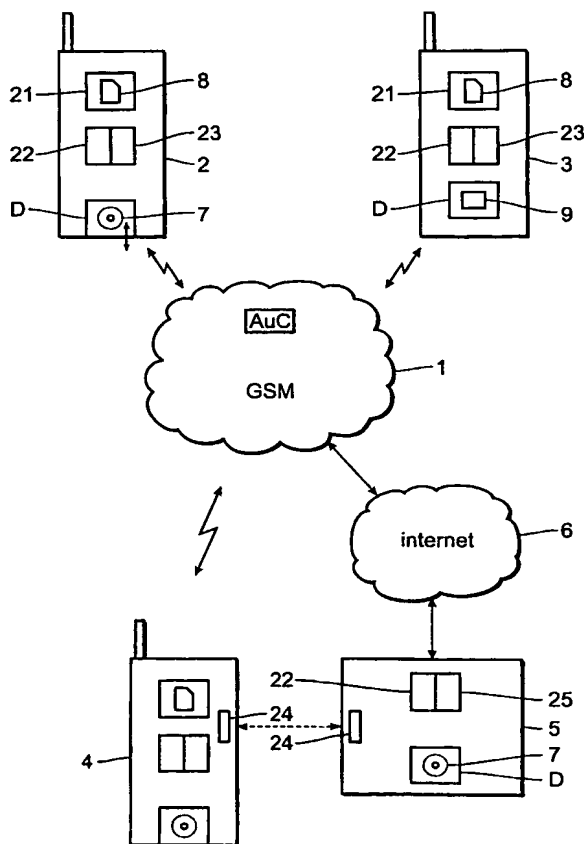
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[Continued on next page]

(54) Title: MOBILE NETWORK AUTHENTICATION FOR PROTECTING STORED CONTENT



(57) Abstract: The present invention relates to a method of protecting content stored on a storage medium (7) against unauthorized access, said storage medium (7) being accessible by a drive (D) of a portable device (2) which is connectable to a network (1). In order to provide a high level of protection against unauthorized access it is proposed to use the authentication procedure of the network (1) to generate a cryptographic key (ck) for encryption and decryption of content stored on said storage medium (7). In particular, the present invention is used in a mobile phone network where the authentication key (ak) is stored on a SIM card (8) used in a mobile phone (2).



**Declaration under Rule 4.17:**

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU,

TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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# INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**  
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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	<p>EP 0 644 474 A (UNIV SINGAPORE) 22 March 1995 (1995-03-22)</p> <p>abstract page 1, line 1 - line 17 page 1, line 43 - line 58 page 5, line 15 - line 35 figures 6A, 7A</p> <p style="text-align: center;">--- -/-</p>	<p>11, 13</p> <p>1-10, 12, 14, 15</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01 41356 A (HATAKEYAMA TAKAHISA ; SANYO ELECTRIC CO (JP); YOSHIKAWA TAKATOSHI ( ) 7 June 2001 (2001-06-07) abstract	1-15
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